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MAR - 1 1985

Mr. John S. Thornton
Mobay Corporation
Agricultural Chemicals Division
P.O. Box 4913
Kansas City, MO 64120-0013

Dear Mr. Thornton:

Subject: Amendment - Response to Disulfoton Registration Standard
(Revised Labeling)
Di-Syston 68% Concentrate
EPA Registration No. 3125-158
Your application Dated July 25, 1985

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable provided that you make the labeling changes indicated below prior to release for shipment of the product bearing the amended labeling.

1. The word "Disulfoton" should precode the chemical name in the ingredients statement.
2. To the Statement of Practical Treatment, make the following changes:
 - a. Add "If inhaled, remove victim to fresh air. Apply artificial respiration if necessary. Get medical attention immediately."
 - b. Delete "for at least 15 minutes" from the If In Eyes section.
 - c. Add "Get medical attention immediately" to the "If In Eyes" and "If On Skin" sections.
3. The Statement of Practical Treatment must appear on the front panel, preferably in blocked format.

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CONCURRENCES

SYMBOL							
SURNAME							
DATE							

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4. Please provide the following information:

- Certification of Limits--upper and lower limits of each active and individually added inert component, together with a brief discussion of how these limits were established - by analysis or by calculation. Active ingredients are normally determined by analysis, and inerts by calculation from weighings during the formulation process. Please note the lower limit for the active ingredient must not fall below the label claim.

Submit five (5) copies of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

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BLD19

Base Reg. (5239)

U.S. LABEL

Reason to Issue: To update according
to reregistration standard for
disulfoton.

Date of Draft: 7/16/85 (S)
Supersedes Draft Dated: 9/19/84

EPA Reg. No. 3125-158-AA

®

DI-SYSTON 68% CONCENTRATE

FOR FORMULATING GARDEN PRODUCTS

AN INSECTICIDE FOR FORMULATING USE

ACTIVE INGREDIENT:

O,O-Diethyl S-[2-(ethylthio)ethyl] phosphoro-
dithioate 68%

INERT INGREDIENTS: 32%
100%

EPA Reg. No. 3125-158-AA

EPA Est. No. 3125-MO-1

ACCEPTED
with COMMENTS
EPA Letter Dated:

MAR - 1 1985

D A N G E R  P O I S O N

KEEP OUT OF THE REACH OF CHILDREN

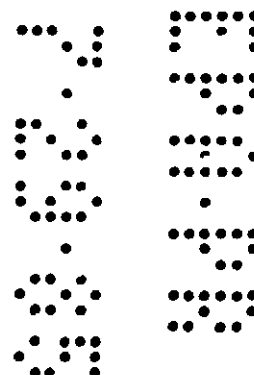
(See Side Panel for Statements of Practical
Treatment and Other Precautionary Statements)

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

3125-158

NET CONTENTS POUNDS

MOBAY CHEMICAL CORPORATION
AGRICULTURAL CHEMICALS DIVISION
Box 4913, Kansas City, Mo. 64120



DI-SYSTON 68% Concentrate

PELIGRO

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

DRUM HANDLING

1. Handle drums carefully so as to avoid damage and prevent leakage.
2. Store drums in a cool, well-ventilated place.
3. Open drums only when set on end and under a ventilated hood. Unscrew bungs slowly to release any internal pressure. Then fit both bungs with valves.
4. To empty drums, connect one valve to an open vent pipe and the other to a closed storage or impregnation system.
5. Drums that have contained DI-SYSTON 68% Concentrate should never be re-used. Refer to STORAGE AND DISPOSAL STATEMENTS on this label.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DI-SYSTON 68% Concentrate is intended for formulation into end use products for:

Terrestrial, food uses on:

Beans, Brussels sprouts, cauliflower, broccoli, cabbage, lettuce, peas, potatoes, spinach, tomatoes.

Domestic outdoor use on:

Potted plants, ornamentals (herbaceous plants, flowers, woody shrubs, trees)

Domestic indoor use on:

Potted plants, ornamentals (specified above)

Greenhouse non-food use on:

Ornamentals (specified above)

Information pertinent to the manufacturing use of this product may be obtained from your Sales Representative. Labeling for products made from DI-SYSTON 68% Concentrate must conform to the registered labeling for either DI-SYSTON 2% Granular, EPA Reg. No. 3125-83, DI-SYSTON Systemic Insecticide Granules, EP. Reg. No. 3125-116, or SYSTEMIC 2 in 1 Rose Care, EPA Reg. No. 3125-152. Any variance from the labeling for these products may have to be supported by data submitted by the formulator.

STATEMENTS OF PRACTICAL TREATMENT (Cont'd)

TO PHYSICIAN:

ANTIDOTE - Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine.

Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL

Pesticide Disposal: Do not contaminate water, food or feed by storage or disposal.

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Drums that have contained DI-SYSTON should NEVER be reused. Empty drums should be decontaminated by washing with hot, 5% caustic soda solution. They should then be perforated to prevent further use and disposed of in a sanitary landfill, or by other procedures approved by state and local authorities.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above. Wash area with strong lye solution. In spill or leak incidents, keep unauthorized people away. You may contact the Mobay Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Mobay Kansas City Emergency Response Telephone No. is 816-242-2582, or contact Chemtrec at 800-424-9300.

DI-SYSTON is a Reg. TM of the Parent Company of Farbenfabriken Bayer GmbH, Leverkusen.

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DI-SYSTON 68% Concentrate

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

D A N G E R  P O I S O N

POISONOUS BY SKIN CONTACT OR IF INHALED OR SWALLOWED. RAPIDLY ABSORBED THROUGH THE SKIN. REPEATED EXPOSURE MAY, WITHOUT SYMPTOMS, BE INCREASINGLY HAZARDOUS.

Do not breathe fumes. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11.

Do not get in eyes or on skin. Wear clean, heavy, natural rubber gloves and clean, waterproof, protective clothing (coveralls, rubber boots, cap etc.) Destroy and replace gloves frequently. Bathe immediately after work and change all clothing.

HANDLING OF CONTAMINATED ARTICLES: Clothing and rags receiving undiluted DI-SYSTON 68% Concentrate as a result of leaks, spills, or mishaps should be removed immediately and not reused. These contaminated articles should be disposed of in the same manner as the empty container; see Container Disposal section for directions. (Contaminated articles which should be discarded would include: hats, gloves, aprons, coats, boots, etc. not made of rubber or coated with rubber or other similar materials). Protective clothing and equipment should be washed down with detergent or soap and bleach in water. Wash water from the cleaning of protective clothing or equipment should not be allowed to run off or otherwise enter water supplies.

In case of contact, immediately remove contaminated clothing and wash thoroughly with soap and warm water.

In case of spillage, cover with an absorbent such as soda ash, clay, or sawdust. Sweep up and bury. Wash area thoroughly with strong lye solution.

Wash hands, face, and arms thoroughly with soap and warm water before eating or smoking. Keep all unprotected persons out of the operating area or vicinity. Do not contaminate feed or foodstuffs.

SYMPTOMS OF POISONING: A sense of "tightness" in the chest. Sweating. Contracted pupils. Stomach pains. Vomiting and diarrhea.

STATEMENTS OF PRACTICAL TREATMENT

In case of poisoning call a physician immediately. Have patient lie down and keep quiet. If swallowed, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (1/2 oz. or 15 ml.) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. Professional medical assistance should be secured immediately. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash with flowing water for at least 15 minutes.